

MANOS MAZUMDER

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PROFESSIONAL SUMMARY

As an EEE graduate with a strong academic background and hands-on experience in Solar systems, AutoCAD Designs, Automation, Electronics, and GSM/GPS modules sensors-based projects. Skilled in circuit design, simulation, Optical Communication (COMSOL Multiphysics), and microcontroller-based system development. Also completed industrial training at TICI, gaining practical experience in preventive maintenance, instrumentation, and Skilled in solar PV system design, load calculation. Now seeking an entry-level engineering role to apply technical knowledge in real-world environments.

EDUCATION

B.Sc. in Electrical & Electronic Engineering (EEE)

Daffodil International University

CGPA: 3.80 / 4.00 | 2026

Diploma in Engineering (Telecommunication Technology)

Feni Computer Institute

CGPA: 3.68 / 4.00 | 2021

Secondary School Certificate (Science)

Parashuram Model Pilot High School

GPA: 4.67 / 5.00 | 2016

SKILLS

- ✓ **Technical:** AutoCAD, Tinker CAD, MS Word, Excel, PowerPoint.
- ✓ **Engineering Skills:** Solar PV System Design, Solar Panel Sizing, Load Calculation, Inverter & Battery Basics, Circuit Design & Simulation, Electrical Safety, Microcontroller-Based Systems, GSM/GPS Module Integration.
- ✓ **Soft Skills:** Problem-solving, Teamwork, Communication, Adaptability.
- ✓ **Languages:** Bangla (Native), English (Good proficiency).

PROJECT EXPERIENCE

Smart Portable Safety Alert System for Vulnerable Individuals

- ✓ Designed a microcontroller-based emergency alert system using sensors.
- ✓ Simulated real-time emergency scenarios for system reliability.

Solar Power Generation for Home (MATLAB Simulation)

- ✓ Modeled residential solar power generation and performance analysis.

Theft Alarm System

- ✓ Developed and tested a sensor-based alarm system using TinkerCAD.

INDUSTRIAL TRAINING & EXPERIENCE

Industrial Trainee — Training Institute for Chemical Industries (TICI)

- ✓ Observed power systems, electrical equipment, and industrial operations.

Internship at — Best Tycoon Bangladesh Limited.

- ✓ Gained exposure to factory operations, equipment handling, and safety practices.

Online Training on Solar PV System Design & Installation — Ulterior Engineering, Bangladesh

- ✓ Understanding of Solar systems, including Solar PV system design, load calculation, inverter, and battery selection.

CERTIFICATIONS & ACTIVITIES

- ✓ Secondary Education Quality and Access Enhancement Project (SEQAEP)
- ✓ Training Institute for Chemical Industries (TICI)
- ✓ Bangladesh Rover Scout
- ✓ DIU EEE Club
- ✓ DIU Robotic Club

Declaration

I, Manos Mazumder, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.